

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0022] beginning in line 6 of page 6 with the following amended paragraph.

[0022] As illustrated in FIG. 1, the position detecting sensor 10 according to the first embodiment of the present invention is attached to a stationary portion 9 by means of screws (not shown) via an attached surface 11a which corresponds to an outer surface of the case 11 near the third yoke 4. The position detecting sensor 10 detects a position of a movable magnetic body 6 as a detected member which is positioned at the opposite side of the attached surface 11a outside the case 11. Turning now to FIG. 2, when the magnetic body 6 is positioned away from the position detecting sensor 10, for example as illustrated with a dotted line, the position detecting sensor 11 outputs Hi electric current as being explained in FIG. 6. In the meantime, when the magnetic body 6 is positioned near the position detecting sensor 10, for example as illustrated with a solid line in FIG. 2, the position detecting sensor 10 outputs Lo electric current as being explained in FIG. 6. The position of the magnetic body 6 can be hence detected in the above-described manner. ~~Herein~~ Alternatively, the position detecting sensor can output the Lo electric current when the magnetic body 6 is positioned away from the position detecting sensor 10, and can output the Hi electric current when the magnetic body 6 is positioned near there.

Please replace paragraph [0026] beginning in line 21 of page 8 with the following amended paragraph.

[0026] As explained in FIG. 5, the detecting characteristics of the position detecting sensor 10 according to the first embodiment of the present invention may

be largely influenced by magnetic properties of peripheral devices or circumstances of the position detecting sensor 10. For example, the prescribed detecting characteristics of the position detecting sensor 10 ~~is~~ are set as illustrated with a solid line in FIG. 5. When ~~the other~~ a magnetic body is positioned at the attached surface 11a of the position detecting sensor 10 so as to improve magnetic flux attracting characteristics of the third yoke 4, the position detecting sensor 10 may detect higher magnetic flux density in the zone including the magnetic detecting element 5. In this case, the detecting characteristics of the position detecting sensor 10 is described with a chain double-dashed line which is shifted above the solid line in FIG. 5. On the other hand, when ~~the other~~ another magnetic body is positioned near the magnetic body 6, the position detecting sensor 10 may detect lower magnetic flux density in the zone including the magnetic detecting element 5. In this case, the detecting characteristics of the position detecting sensor 10 ~~is~~ are described with a dashed line which is shifted below the solid line in FIG. 5. Further, even when the magnetic body 6 is close to the position detecting sensor 10 and yet is away therefrom compared with a predetermined close position, the detecting characteristics of the position detecting sensor 10 is described with a dashed line which is shifted above the solid line in a detecting zone in FIG. 5.